Author Index

Acha-Orbea, H. 57
Adams, T. E. 69
Aichinger, G. 149
Albright, D. 136
Alexander, C. B. 101
Alper, C. A. 52
Amblard, F. 121
An, J. 299
Andersson, G. 66
Andersson, L. 346
Andres-Cara, D. 257
Appela, E. 385
Auffray, C. 121
Avila, D. 110
Awdeh, Z. L. 52
Ayadi, H. 201

Batchelor, R. 149
Bailey, E. 136
Bard, J. 129
Baeuerle, P. A. 28
Becker, R. S. 101
Beauchamp, G. K. 129
Begovich, A. B. 413
Bevec, D. 28
Bishop, G. A. 358
Blockland, E. 270
Bottazzo, G. F. 366
Bouquet, Y. H. 192
Boyes, E. A. 129
Brandon, M. R. 69, 80
Brautbar, C. 299
Brem, G. 28
Brockhaus, M. 338
Bugawan, T. K. 413
Butcher, G. W. 157

Cai, Z. 273
Campbell, R. D. 349, 376, 409
Capra, J. D. 231
Carter, C. A. 211, 277
Castaño, A. R. 281
Caton, A. J. 140, 372
Cazenave, P.-A. 201
Chang, K.-J. 293
Chardon, P. 257
Chen, Z. W. 185
Christiansen, F. T. 247
Chu, Z.-T. E. 42
Chung, D. A.-K. 313
Chung, F. 252
Ciucci, A. 385
Coppieters, W. R. 192
Cross, S. J. 376

D'Amaro, J. 12
Dawkins, R. L. 247
De Coster, H. S. 12
Degos, L. 196
Demant, P. 409
Dezeure, F. 257
Doyle, C. 286
Dudler, L. 39
Dyson, P. J. 227

Eddy, R. 286
Eibl, M. 286
Erlich, H. A. 413

Fairchild, S. 227
Fabre, J. W. 211, 277
Fellous, M. 132
Feriotto, G. 385
Fernandez-Viña, M. A. 299
Fichtel, A. 39
Fici, D. 52
Figueroa, F. 164, 324
Finkelman, F. D. 88
Fischer Lindahl, K. 1
Flaherty, L. 179
Fontaine, P. 222
Frangoulis, B. 196
Fraser, P. A. 52
Frelinger, J. A. 141, 149, 358

Gaff, C. 392
Gale, E. A. M. 366
Gambari, R. 385
Gao, X. 299, 401
Garber, T. L. 185
Gastinel, L.-N. 121
Gazit, E. 299
Gentz, R. 338
Geraghty, D. 270
Gerhard, W. 372
Gerondakis, S. 392
Gibson, D. M. 313
Giacomini, P. 385
Giphart, M. J. 12
Glimcher, L. H. 286
Gogolin-Ewens, K. J. 69, 80
Goodman, D. J. 392
Gottlieb, P. D. 42, 231
Goulmy, E. 270
Griscelli, C. 286
Groot, P. C. 409
Grossberger, D. 39
Grumont, R. J. 392
Günther, E. 157
Gustafsson, K. 346

Hanson, I. M. 5
Harton, J. A. 358
Hasenkrug, K. J. 60
Hein, W. R. 39
Helmberg, A. 139
Horie, M. 293
Howard, J. C. 157
Hughes, A. L. 185
Hyman, R. 261

Inoki, H. 324

Jeffers, J. R. 23
Jonsson, A.-K. 346

Kasahara, M. 132
Kaufman, J. 110
Kelus, A. S. 101
Kendall, E. 349
Kenter, M. J. H. 12
Kim, S.-O. 231
Kishi, S. 208
Klein, J. 164, 324
Knight, A. M. 227
Knight, K. L. 101
Kofler, R. 139
Koskimies, S. A. 242
Kramer, D. V. 157
Kung, J. T. 42

Lambris, J. D. 110
Langlais, J. 222
Larhammer, D. 66
Law, S. K. A. 341
Layrisse, Z. 299
Lechler, R. 149
LeJeune, H. B. 88
Lesslauer, W. 338
Letvin, N. L. 185
Liou, H.-C. 286
Lisowska-Grospierre, B. 286
Litaker, W. 358
Livingstone, A. M. 157
Lokki, M.-L. 242
Lombardi, G. 149
Lopez de Castro, J. A. 381
Luiten, R. M. 12

Maddox, J. F. 80
Mage, R. G. 101
Magzoub, M. M. A. 366
Mannhalter, J. 286
Marche, P. N. 201
Marcus-Bagley, D. 52
Marcuz, A. 39
Matsui, M. 141, 149
McMichael, A. J. 141
Meier, D. 101
Miller, S. 299
Møller, L. B. 110
Mond, J. J. 88
Moots, R. J. 141, 149
Moore, B. 52
Moraes, J. R. 299
Moraes, M. E. 299
Murphy, G. 211, 277

Nakauchi, H. 208
Nadeau, J. H. 132
Nastruzzi, C. 385
Natali, P. G. 385
Nathenson, S. G. 60
Neufeld, E. 164
Newman, B. A. 101
Nicotra, M. R. 385
Niikawa, J. 293
Nunes, M. 257

Ohara, J. I. 252
Ohara, N. 252
O'hUigin, C. 164, 324
Ohno, S. 215

Palmer, E. 252
Parker, K. E. 211
Paterson, Y. 372
Pazmany, L. 141
Pease, L. R. 273
Peelman, L. J. 192
Perreault, C. 222
Piatier-Tonneau, D. 121
Pla, M. 196
Pool, J. 270
Powis, S. J. 157
Pozzi, L. 385

Rask, L. 346
Reboul, M. 196
Reife, R. A. 23
Ritte, U. 164
Rocca, A. 196
Ronco, P. 52
Rothe, J. G. 338
Ryan, J. J. 88

Salatiel, I. 299
Salomonsen, J. 110
Sanz, I. 231
Sasaki, T. 252
Scarpellino, L. 57
Scherle, P. A. 372
Schwemmle, S. 28
Schroeijers, W. E. M. 12
Scott, P. C. 69, 80
Seboun, E. 132
Serjeantson, S. W. 401
Shen, F.-W. 129, 293
Shows, T. 286
Sidhu, S. 149
Simon, S. 52
Skjødt, K. 110
Snoek, M. 409
Spies, T. 409
Spinella, D. G. 23
Stastny, P. 299
Stephens, H. A. F. 366
Stuart, J. M. 23
Sun, Y. 299
Sutherland, R. M. 372
Suzuki, H. 252

Takenaka, T. 208
Taylor, B. A. 252
Taylor, G. M. 341
Termijtelen, A. 12
Thomas, C., III, 42
Todd, J. A. 349
Tokito, S. 208
Tokunaga, K. 247
Tomonari, K. 227
Tonks, S. 376

Trowsdale, J. 5, 376
Tsai, J. 299

Uehara, H. 266
Uematsu, Y. 174
Urban, M. B. 28

Vaigot, P. 121
Vaiman, M. 257
Valiante, N. M. 140
Van de Weghe, A. R. 192
Van Zeveren, A. J. 192
Verland, S. 110

Wall, K. A. 42
Waters, J. B. 179
Watkins, D. I. 185
Weiss, E. H. 28
Williams, C. 231
Wojcik, M. 121
Woodward, J. G. 136

Yamamoto, R. 208
Yamazaki, K. 129
Young-Cooper G. O. 101
Yunis, E. J. 52

Zhang, W. J. 247

Erratum 417

Subject Index

Ancestral haplotypes
–, C4A duplications 247

B-F molecules
–, associations with *HLA* 242
–, hemolytic activity 242
–, of chicken 110

C4A duplications 247
C4B gene polymorphisms 52
C4-H-2D region
–, mapping of recombinants 409
CD4 molecule
–, interaction with HLA antigens 121
–, OKT4 epitope 208
CD18 gene
–, RFLP 341
Chicken
MHC-B-F molecules 110
Chimpanzee
–, *DRB6* pseudogene 324
Cim gene 151
Class II regions
–, organization 5
Colinearity of human and mouse *Mhc* genes 5
Collagen-induced arthritis
–, role of C5 and Tcr 23
Complement
–, BF activity 242
Complement factor B
–, in pig 192
Cytotoxic T lymphocyte assays
–, and GVH disease 222

DQA genes
–, of sheep 69
DQB genes
–, of sheep 80
DR4, DR7, and *DR9* haplotypes
–, molecular analysis 349
DRA gene
–, of horse 136
DRB genes
–, of sheep 80
DRB6 pseudogenes
–, in primates 324
DR,DQ haplotypes
–, heterogeneity 401

Ethnic groups
–, *HLA* class II polymorphism 299

Gogo-Mhc genes
–, segmental exchange 185
Gorilla
–, class I Mhc genes
–, *DRB6* pseudogene 324
Graft vs host disease
–, and CTL assays 222

H-2 heterozygosity
–, in wild mice 164
H-2 Ab^p gene
–, structure 358
$H2D^b$ cDNA
–, retroviral shuttle vector 62
H-2D/L mutation
–, odortypes 129
$H2D^{dx}$ recombinant class I gene 273
Heterozygous advantage 164
HIV
–, gp120 interaction with CD4 121
$H-2K^s$ genes
–, sequence 60
$H2K^{sm1}$ genes
–, sequence 60
H-2 recombinants
–, mapping of 409
HLA-A*0204 antigen
–, structure 281
HLA-A2
–, mutation 141, 149
HLA-A2 subtype 281
HLA-B27
–, in transgenic mice 196
HLA-Bw42-DRw18 haplotypes
–, *C4B* polymorphisms 52
HLA class II loci
–, oligotyping 299
HLA-DP genes
–, oligonucleotide typing 12
HLA-DP-like locus
–, in rat 277
HLA-DRA gene
–, in transgenic mice 385
HLA-DR α promoter DNA-binding protein
–, mapping of 286
–, polymorphism and IDDM 366
HLA-DR2 haplotypes
–, heterogeneity 401
–, origin of 324
Horse
–, *Mhc-DRA* gene 136
H-2T23^d gene
–, similarity with *RT.BM1* 211

Idiotypes
–, and *IgV_κ10* genes 231
Igh-locus
–, in rabbit, recombination analysis 101
Igk genes
–, in rabbit 201
IgV_κ10 genes
–, and Ars idiotypes 231
Igk-V pseudogenes 313
IL-4 receptor gene
–, mapping in the mouse 252
Immunoglobulin γ3 heavy chain transcripts
–, induced by LPS 392
Immunoglobulin κ genes
–, *IgV_κ10* genes 231
–, in rabbit 201

Insulin-dependent diabetes
–, associated with *HLA-DR* and *-DQ* 366
Integrin β gene
–, mapping of 413
Integrin β-subunit
–, RFLP 341
Interferon
–, effect on *$T18^d$/Tla* gene transcription 293
Interleukin 4 (IL-4) receptor gene
–, mapping 252

LFA-1 gene
–, linkage with IL-4 receptor gene 252
Lymphocyte function associated antigen 1 (LFA-1) gene
–, linkage with IL-4 receptor gene 252
Lyt-2.1/Lyt-2.2 CTL line 42
Lyt-2.1-negative mutant 42

Mate preference
–, H-2D/L mutation 129
MHC in mouse and human
–, organization 5
Minor histocompatibility antigens
–, assembly in transfected cells 270
Mls superantigen
–, allostimulatory analysis 88
Mtv-3
–, and Tcrb-V3$^+$ T cells 227
Mutation
–, *H-2D/L* 129
–, in *HLA-A2* 141, 149

Nonabese diabetic mice
–, and Mhc class II haplotypes 57
Nonabese nondiabetic mice
–, and Mhc class II haplotypes 57

Oct-3 gene
–, mapping 266
Odortypes
–, *H-2D/L* mutation 129
OKT4 epitope
–, in CD4 molecule 208
Oligonucleotide typing
–, *HLA* class II loci 299
–, of *HLA-DP* genes 12
Oligopeptides
–, and T-cell response 215
Ovar-DQA genes 69
Ovar-DQB genes 80
Ovar-DRB genes 80

Peptide recognition
–, in sequence of mutation 141, 149
Pepton hypothesis 1
Pig
–, complement factor B 192
–, *TNF* genes 257

Primates
–, *DRB6* pseudogenes 324
Promoter DNA-finding protein
–, mapping of 286
Pseudogenes
–, *DRB6* 324
–, *IgK-V* 313
Pulsed-field gel electrophoresis
–, analysis of *DR4, DR7, DR9* haplotypes 349

$Q5^t$ gene
–, expression 28
$Q8^b$ gene
–, expression 179

Rabbit
–, *Igh* locus, recombination analysis 101
–, *Igk* genes 201
Rat
–, *DPA*-like locus 277
–, *RT.BM1* gene 211
Recombinant class I gene $H\text{-}2^{dx}$ 273
Restriction fragment length polymorphisms
–, in *HLA* 376
Retroviral shuttle vector
–, for $H\text{-}2D^b$ cDNA 62
RT.BM1 gene 211

Segmental exchange
–, in gorilla class I genes 185
Sheep
–, *Mhc-DQA* genes 69
–, *Mhc-DQB* genes 80
–, *Mhc-DRB* genes 80
–, T-cell receptor α chain 39

T-cell receptor chain
–, new family 372
–, of the sheep 39
T-cell receptor variable region
–, rapid cloning 174
T-cell receptor *Vb* genes
–, and susceptibility to collagen induced arthritis 23
T-cell recognition
–, of HLA-DPB 12
T-cell response
–, to oligopeptides 215
Tcra-V
–, new family 372
Tcrb-V3$^+$ T cells
–, and *Mtv-3* 227
Tcr-V
–, rapid cloning 174
Tcr-Vb genes
–, and susceptibility to collagen-induced arthritis 23

$T18^d/Tla$ gene
–, transcription, effect of interferon 293
Thy-1 gene
–, transcription in mutant 261
Tnf-b receptor
–, cloning of 338
TNF genes
–, in pig 257
Tpx-2
–, mapping 132
Transgenic mouse
–, HLA-B27 196
–, *HLA-DRA* gene 385

Ubiquitous oligopeptides
–, and T-cell response 215

Vector, retroviral shuttle
–, for $H\text{-}2D^b$ cDNA 62

Wild mice
–, *H-2* heterozygosity 164
–, population structure 164